

Applicant: Martin Fangmeier
Application No.: Not Yet Known

IN THE CLAIMS

1. (Original) Backflow prevention device (1, 1'), comprising a mounting housing (2) that can be inserted into a fluid conduit (3), and having at least one sealing ring (4) that is held in an annular groove (5) provided on an outer circumference of the mounting housing (2) and that provides a seal between the mounting housing (2) and the fluid conduit (3), wherein when the backflow prevention device (1, 1') is closed and a fluid volume is sealed at a flow outlet side, the sealing ring (4) can be moved against a restoring force from a sealing position into a leakage position in order to compensate pressure.
2. (Original) Backflow prevention device according to Claim 1, wherein the restoring force of at least one rubber-like elastic restoring element (10) acts on the sealing ring (4).
3. (Currently amended) Backflow prevention device according to Claim 2 ~~Claim 1 or 2~~, wherein the at least one restoring element (10) has an annular construction.
4. (Currently amended) Backflow prevention device according to Claim 2 ~~one of Claims 1 to 3~~, wherein the sealing ring (4) and the at least one restoring element (10) are connected with one another in one piece to form a sealing and restoring unit.
5. (Currently amended) Backflow prevention device according to Claim 1 ~~one of Claims 1 to 4~~, wherein in the annular groove (5) an annular guide segment (9), encompassed by the sealing ring (4), is provided that tapers against an inflow direction (Pf1) of the backflow prevention device (1, 1').

Applicant: Martin Fangmeier
Application No.: Not Yet Known

6. (Currently amended) Backflow prevention device according to Claim 2 ~~one of~~
~~Claims 1 to 5~~, wherein the restoring element (10) is supported on a radial wall (12)
located at a flow inlet side of the annular groove (5).

7. (Currently amended) Backflow prevention device according to Claim 1 ~~one of~~
~~Claims 1 to 6~~, wherein the sealing ring (4) can be moved from the sealing position
into the leakage position by ~~means of~~ a backflow that acts thereon.

8. (Currently amended) Backflow prevention device according to Claim 1 ~~one of~~
~~Claims 1 to 7~~, wherein at least one pressure compensation channel (11) is provided
that connects an area of the groove situated before the leakage position in the
inflow direction (Pf1) to a flow inlet side of the backflow prevention device (1, 1').

9. (Currently amended) Backflow prevention device according to Claim 8 ~~one of~~
~~Claims 1 to 8~~, wherein the at least one pressure compensation channel (11) is
fashioned as a slit or similar opening of the radial wall (12) at the flow inlet side.